

IN THE CLAIMS

1. (previously presented) An information recording apparatus for executing a data recordation process, the information recording apparatus comprising:

a plurality of information recording means for recording data; and

a recordation control process executing section for executing a data recordation process to the information recording means and a process of generating control information during data reproduction, the control information including reproduction procedure information in which a procedure for reproducing data is stored and reproduction management information in which link information to the reproduction procedure information is stored, wherein

in the case of continuously executing a data recordation process to a plurality of information recording means, a plurality of pieces of reproduction procedure information are generated corresponding respectively to the plurality of information recording means, and link information to the plurality of pieces of reproduction procedure information is stored to one piece of the reproduction management information.

2. (previously presented) An information recordation apparatus according to claim 1, wherein the recordation control process executing section is adapted to

in the case of continuously executing a data recordation process to a plurality of information recording means, store the link information to the plurality of pieces of reproduction procedure information to one piece of the reproduction management information, and

store continue information, representative of whether recording a same content continuously to a next piece of reproduction procedure information, to storage domains

corresponding to individual pieces of reproduction procedure information.

3. (previously presented) An information recordation apparatus according to claim 1, wherein the recordation control process executing section is adapted to

in the case of continuously executing a data recordation process to a plurality of information recording means, store the link information to the plurality of pieces of reproduction procedure information to one piece of the reproduction management information, and

store end information, representative of whether a piece of reproduction procedure information is a final piece of reproduction procedure information, in a data storage domain corresponding to an individual piece of reproduction procedure information.

4. (previously presented) An information recordation apparatus according to claim 1, wherein the recordation control process executing section is adapted to

store, in each piece of the reproduction procedure information, management information on data continuously recorded on one recording medium, and information enabling a storage position of the data to be determined.

5. (previously presented) An information recordation apparatus according to claim 1, wherein the recordation control process executing section is adapted to

compare an available capacity for recording data between the plurality of information recording means, and select information recording means having a greater available capacity for data recordation.

6. (previously presented) An information recordation apparatus according to claim 1, wherein the recordation control process executing section is adapted to

compare a remaining capacity of the information recording means under data recording with a preset threshold, and execute continuously a data recordation process to another information recording means on condition that the remaining capacity becomes less than the threshold.

7. (previously presented) An information recordation apparatus according to claim 1, wherein the recordation control process executing section is adapted to

generate first reproduction procedure information when commencing a data recordation process to the information recording means, and store link information to the first reproduction procedure information to the reproduction management information, and

generate new second reproduction procedure information in the case of executing continuing data recording to different information recording means, store link information to the second reproduction procedure information to the reproduction management information, and set continue information representative of having next reproduction procedure information to the first reproduction procedure information.

8. (previously presented) An information reproduction apparatus for executing a data reproducing process, the information reproduction apparatus comprising:

a plurality of information recording means for subject-of-reproducing data; and

a reproduction control process executing section for executing a reproducing process of data stored on the information recording means, depending upon control information; the control information including reproduction procedure information in which a procedure for reproducing data is recorded and reproduction management information in which link information to the reproduction procedure information is stored, wherein

in a case that there are a plurality of pieces of reproduction procedure information linked to the reproduction management information, the plurality of pieces of reproduction procedure information are switched in order and applied as control information, and reproduction-of-subject data is acquired from different information recording means based on an individual piece of reproduction procedure information.

9. (previously presented) An information reproduction apparatus according to claim 8, wherein

the reproduction management information stores, in a data storage domain corresponding to each piece of reproduction procedure information, continue information representative of whether recording a same content continuously to next pieces of reproduction procedure information, and

the reproduction control process executing section is adapted to determine whether to continuously execute reproduction control depending upon the continue information in the reproduction management information for the piece of reproduction procedure information corresponding to the data under reproduction.

10. (previously presented) An information reproduction apparatus according to claim 8, wherein the reproduction control process executing section is adapted to acquire, from the reproduction procedure information, management information on data continuously recorded on one recording medium and information enabling a storage position of the data to be determined.

11. (previously presented) An information recording method for an information recording apparatus having a plurality of information recording means for recording data, the information recording method comprising:

generating reproduction procedure information in which a reproducing procedure is recorded as reproduction control

information corresponding to recording data, and reproduction management information in which link information to the reproduction procedure information is stored, wherein

in the case of continuously executing a data recordation process to a plurality of information recording means, the generating step generates a plurality of pieces of reproduction procedure information corresponding respectively to the plurality of information recording means, and link information to the plurality of pieces of reproduction procedure information is stored to one piece of the reproduction management information.

12. (previously presented) An information recording method according to claim 11, wherein, in the case of continuously executing a data recordation process to a plurality of information recording means, the link information to the plurality of pieces of reproduction procedure information is stored to one piece of the reproduction management information, and

continue information, representative of whether recording a same content continuously to a next piece of reproduction procedure information, is stored to data storage domains corresponding to individual pieces of reproduction procedure information.

13. (previously presented) An information recording method according to claim 11, wherein, in the case of continuously executing a data recordation process to a plurality of information recording means, the link information to the plurality of pieces of reproduction procedure information is stored to one piece of the reproduction management information, and

end information, representative of whether a piece of the reproduction procedure information is a final piece of reproduction procedure information, is stored in a data storage

domain corresponding to an individual piece of reproduction procedure information.

14. (previously presented) An information recording method according to claim 11, further including storing, in each piece of the reproduction procedure information, management information on data continuously recorded on one recording medium, and storing information enabling a storage position of the data to be determined.

15. (previously presented) An information recording method according to claim 11, further including comparing an available capacity for recording data between the plurality of information recording means, and selecting information recording means having a greater available capacity for data recordation.

16. (previously presented) An information recording method according to claim 11, further including comparing a remaining capacity of the information recording means under data recording with a preset threshold, and executing continuously a data recordation process to another information recording means when the remaining capacity becomes less than the threshold.

17. (previously presented) An information recording method according to claim 11, further including generating first reproduction procedure information when commencing a data recordation process to the information recording means, and storing link information to the first reproduction procedure information to the reproduction management information, and

generating new second reproduction procedure information in the case of executing continuing data recording to different information recording means, storing link information to the second reproduction procedure information to the reproduction management information, and setting continue information representative of a next piece of reproduction procedure information in a data storage domain corresponding to the first reproduction procedure information.

18. (previously presented) An information reproducing method for an information reproducing apparatus having a plurality of information recording means for recording subject-of-reproducing data, the information reproducing method comprising:

acquiring, as control information, reproduction procedure information in which a procedure for reproducing data is recorded and reproduction management information in which link information to the reproduction procedure information is stored; and

reproducing the data, wherein, in a case that there are a plurality of pieces of reproduction procedure information linked to the reproduction management information, the plurality of pieces of reproduction procedure information are switched in order and applied as the control information, and reproduction-of-subject data is acquired from different information recording means based on an individual piece of reproduction procedure information.

19. (previously presented) An information reproducing method according to claim 18, wherein

the reproduction management information stores, in data storage domains corresponding to each piece of reproduction procedure information, continue information representative of whether recording a same content continuously to next pieces of reproduction procedure information, and

the reproducing step includes determining whether to continuously execute reproduction control depending upon the continue information in the reproduction management information for the piece of reproduction procedure information corresponding to the data under reproduction.

20. (previously presented) An information reproducing method according to claim 18, wherein the reproducing step includes acquiring, from the reproduction procedure information,

management information on data continuously recorded on one recording medium and information enabling a storage position of the data to be determined.

21. (previously presented) A recording medium recorded with a computer program for executing an information recordation process in an information recording apparatus having a plurality of information recording means for recording data, the information recordation process comprising:

generating reproduction procedure information in which a reproducing procedure is recorded as reproduction control information corresponding to recording data, and reproduction management information in which link information to the reproduction procedure information is stored, wherein

in the case of continuously executing a data recordation process to a plurality of information recording means, the generating step generates a plurality of pieces of reproduction procedure information corresponding respectively to the plurality of information recording means, and link information to the plurality of reproduction procedure information is stored to one piece of the reproduction management information.

22. (previously presented) A recording medium recorded with a computer program for executing an information reproduction process in an information reproduction apparatus having a plurality of information recording means for recording subject-of-reproducing data, the information reproduction process comprising:

acquiring, as control information, reproduction procedure information in which a procedure for reproducing data is recorded and reproduction management information in which link information to the reproduction procedure information is stored; and

reproducing the data, wherein, in a case that there are a plurality of pieces of reproduction procedure information linked to the reproduction management information, the plurality of pieces of reproduction procedure information are switched in order and applied as the control information, and reproduction-of-subject data is acquired from a different information recording means based on an individual piece of reproduction procedure information.